

Message Text

UNCLASSIFIED

PAGE 01 STATE 097436
ORIGIN ERDA-07

INFO OCT-01 EUR-12 ISO-00 FEA-01 AID-05 CEA-01 CIAE-00
COME-00 DODE-00 EB-08 FPC-01 H-02 INR-07 INT-05
L-03 NSAE-00 NSC-05 OMB-01 PM-04 USIA-15 OES-06
SP-02 SS-15 STR-04 TRSE-00 ACDA-10 EPA-04 NRC-07
/126 R

DRAFTED BY U.S.ERDA/AIA:SGRIFFITH:SMJ
APPROVED BY OES/NET/IM: M PROCHNIK
U.S.ERDA/AIA: G HELFRICH
EB/ORF: D MARTIN
EUR/CE: R CASAGRANDE
EUR/WE: E J BEIGEL

-----300657Z 076813 /10

P R 292202Z APR 77
FM SECSTATE WASHDC
TO AMEMBASSY BONN PRIORITY
INFO USMISSION EC BRUSSELS
USMISSION OECD PARIS
AMEMBASSY LONDON
AMEMBASSY PARIS

UNCLAS STATE 097436

E.O. 11652: N/A

TAGS: ENRG, TECH,FRG

SUBJECT:ZIEGLER, BMFT, VISIT TO ERDA

REF: BONN 04804 (NOTAL)

1. DURING SERIES OF MEETINGS AT ERDA HQ MARCH 29-30, BMFT
PROGRAM MANAGER FOR COAL AND OTHER NONNUCLEAR ENERGY
ZIEGLER, ACCOMPANIED BY KFA JUELICH REPRESENTATIVES
HOLIGHAUS AND NEUMANN, EXCHANGED VIEWS ON STATUS OF IEA
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 STATE 097436

PROJECTS IN AREAS OF FOSSIL, GEOTHERMAL, WIND, AND ENVIRON-
MENTAL TECHNOLOGY WITH ERDA AND EPA OFFICIALS. FOLLOWING
ARE HIGHLIGHTS OF MEETING.

2. COAL PYROLYSIS -- ERDA AWAITING MORE DETAILED PROPOSAL
FROM U.K. NATIONAL COALBOARD BEFORE REVIEWING TECHNICAL
MERIT OF PYROLYSIS PROJECT TO DECIDE ON POSSIBLE ERDA

PARTICIPATION.

3. COAL SLURRY FEEDING -- ERDA PLANS TO PARTICIPATE IN THIS PROJECT PROVIDED LICENSING AND PROPRIETARY INFORMATION ISSUES CAN BE RESOLVED WITH KAMYR.

4. FINE COAL FEEDING--ERDA INTERESTED IN THIS PROJECT. BMFT IS TO PROVIDE MORE DETAILS ON HOW ALLOWABLE COSTS WILL BE DETERMINED FOR LURGI.

5. COAL MATERIALS AND COMPONENTS--BMFT INTERESTED IN THIS PROJECT. ERDA WILL PROVIDE BMFT MORE DETAILED REQUIREMENTS FOR JOINING ERDA MATERIALS FAILURE REPORTING TEAM AND ASSOCIATED NEWSLETTER.

6. COAL BASIC RESEARCH--BMFT PROVIDED NEW PROPOSAL FOR SYSTEMATIC INVESTIGATION OF CHARACTERISTICS AND PROPERTIES OF COAL FROM VARIOUS DEPOSITS. ERDA IS REVIEWING THIS PROPOSAL.

7. COAL GASIFICATION--BMFT WILL PROVIDE ANOTHER DETAILED PROPOSAL ON OTTO-RUMMEL PROCESS FOR ERDA REVIEW AND CONSIDERATION FOR COOPERATIVE PROJECT. BMFT EXPRESSED INTEREST IN PARTICIPATING WITH ERDA IN HYDRANE AND CATALYTIC GASIFICATION PROCESSES, AND ERDA WILL SEND APPROPRIATE INFORMATION TO BMFT.

8. COAL LIQUEFACTION--BMFT TABLED DRAFT OUTLINE AGREEMENT ON COOPERATION IN THE FIELD OF COAL LIQUE-
UNCLASSIFIED

UNCLASSIFIED

PAGE 03 STATE 097436

FACTION, AND WILL LATER PROVIDE A MORE DEFINITIVE VERSION. SUBSEQUENTLY, ERDA WILL PREPARE A DRAFT ERDA/BMFT AGREEMENT IN THIS FIELD. AREAS OF COOPERATION WILL ALSO INCLUDE METHODS FOR ECONOMIC ASSESSMENT OF COAL LIQUEFACTION. BMFT EXPRESSED INTEREST IN PARTICIPATING IN ERDA SYNTHETIC FUELS REFINING PROJECT BY CONTRIBUTING FUNDS JOINTLY WITH USG. BMFT GIVEN COPY OF PON FOR REVIEW. ERDA PROCUREMENT OFFICIALS NOW REVIEWING MATTER OF POSSIBLE BMFT PARTICIPATION IN FINANCING THIS PROJECT.

9. IN-SITU COAL GASIFICATION--BMFT AND ERDA WILL CONTINUE DISCUSSIONS AND EXCHANGE OF INFORMATION ON IN-SITU COAL GASIFICATION PROCESSES BEING DEVELOPED IN FRG, BELGIUM, AND U.S.

10. HIGH TEMPERATURE TURBINE--BMFT INTERESTED IN PARTICIPATING IN PHASE II OF ERDA PROJECT FOR DEVELOPMENT OF HIGH TEMPERATURE TURBINE SUBSYSTEM TECHNOLOGY

READINESS. ERDA WILL PROVIDE BMFT WITH APPROPRIATE INFORMATION FOR REVIEW.

11. OIL SHALE--ERDA AND BMFT WILL CONTINUE DISCUSSIONS ON PROCESSES FOR SURFACE RETORTING OF OIL SHALE. NEUMANN OF KFA INTERESTED IN LATEST OIL SHALE RETORTING PROCESS DEVELOPED BY SUPERIOR OIL. ERDA WILL SEND NEUMANN COPY OF SUPERIOR PAPER ENTITLED QUOTE MULTI-MINERAL OIL SHALE COMMERCIALIZATION END QUOTE.

12. ENVIRONMENTAL IMPACT OF COAL-FIRED POWER STATIONS--BMFT DISCUSSED DRAFT PROGRAM PLAN ON THIS SUBJECT WITH ERDA FOSSIL ENERGY AND WITH GAGE OF EPA. LATTER INTERESTED IN POSSIBLE EXCHANGE AND COOPERATIVE WORK, ESPECIALLY IN CONTROL OF SOX AND NOX, AND IN SUPPRESSION OF FINE PARTICULATES. EPA WILL REVIEW BMFT DRAFT PROGRAM PLAN AND PROVIDE COMMENT ON POSSIBLE COOPERATION. GAGE UNCLASSIFIED

UNCLASSIFIED

PAGE 04 STATE 097436

EXPECTS TO MEET HOLIGHAUS IN PARIS MID-MAY FOR FURTHER DISCUSSIONS. ZIEGLER RAISED POSSIBILITY OF BMFT INVESTING IN U.S. DEVELOPMENT PROJECTS, WITH PRIMARY OBJECTIVE OF OBTAINING TECHNOLOGY USABLE IN FRG. GAGE EXPRESSED INTEREST AND WILL INVESTIGATE.

13. WIND ENERGY--BMFT REPORTED PLANS TO BUILD 200 KWE WIND MACHINE THIS SUMMER. NEXT STEP IS 2 TO 3 MWE GROWDIAN MACHINE, WITH CONSTRUCTION DECISION MID-1978. ZIEGLER PROPOSED EXCHANGE OF DETAILED DESIGNS FOR FRG AND U.S. MACHINES, MAKING NECESSARY ALLOWANCES FOR PROPRIETARY ASPECTS. ZIEGLER ALSO INDICATED WILLINGNESS TO CONSIDER CROSS-INVESTMENT. BOTH SIDES AGREED THAT EARLIER IEA PROPOSALS BY FRG ON WIND ENERGY NO LONGER PERTINENT, WITH POSSIBLE EXCEPTION OF BLADE PROGRAM. BMFT WILL PREPARE DRAFT AGREEMENT ON DESIGN EXCHANGE UNDER IEA AUSPICES.

14. GEOTHERMAL--BMFT'S MAIN INTEREST IN HOT DRY ROCK. INTEREST EXPRESSED IN IEA PROJECT ON OVERALL SYSTEMS ANALYSIS OF MAN-MADE GEOTHERMAL SYSTEMS. BMFT ALSO INTERESTED IN INVESTING ONE-HALF TO ONE MILLION DOLLARS IN LASL HOT DRY ROCK EFFORT UNDER IEA FRAMEWORK. ZIEGLER WILL SEND ERDA LETTER SUGGESTING SUCH SUPPORT AND RECOMMENDING THAT TECHNICAL EXPERTS MEET SOON TO DISCUSS WHAT IF ANY NEW ELEMENTS SHOULD BE INCORPORATED IN ERDA PROGRAM.

15. PROGRAM PLANNING--LEGASSIE EXPLAINED ROLE OF ERDA PLANNING, ANALYSIS AND EVALUATION OFFICE, TOGETHER WITH METHODOLOGY FOR PROGRAM PLANNING AND CONTROL.

16. THROUGHOUT VISIT, DISCUSSIONS WERE SUBSTANTIVE AND BENEFICIAL TO BOTH SIDES. MAIN GERMAN INTEREST APPEARS TO LIE IN COOPERATION IN COAL LIQUEFACTION. GERMANS ALSO INTERESTED IN SUPPORTING IEA ACTIVITIES AND IN UNCLASSIFIED

UNCLASSIFIED

PAGE 05 STATE 097436

EXPLORING POSSIBILITIES FOR INVESTING OFFSET FUNDS IN U.S. NONNUCLEAR R&D ACTIVITIES.
CHRISTOPHER

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: COAL, ENVIRONMENT, GEOTHERMAL ENERGY, ITINERARY, INFORMATION EXCHANGE, PERSONNEL TRAVEL, INTERGOVERNMENTAL COOPERATION
Control Number: n/a
Copy: SINGLE
Sent Date: 29-Apr-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977STATE097436
Document Source: CORE
Document Unique ID: 00
Drafter: SGRIFFITH:SMJ
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770151-0764
Format: TEL
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t1977043/aaaaabyz.tel
Line Count: 184
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: 71248ea0-c288-dd11-92da-001cc4696bcc
Office: ORIGIN ERDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: 77 BONN 4804
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 07-Feb-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2724031
Secure: OPEN
Status: NATIVE
Subject: ZIEGLER, BMFT, VISIT TO ERDA
TAGS: ENRG, TECH, GE, US, (ZIEGLER)
To: BONN
Type: TE
vdkgvkey: odb://SAS/SAS.dbo.SAS_Docs/71248ea0-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
22 May 2009
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009